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Amendments to the claims:

- 1. (Cancelled)
- 2. (Cancelled)
- 3. (Currently Amended) AThe PNA probe of claim 25 claims 1 or 2, wherein a target sequence of the Staphylococcus epecies probe is rRNA, rDNA or a complement of rRNA or rDNA.
- 4. (Currently Amended) AThe PNA probe of claim 25 claims 1 or 2, comprising a nucleobase sequence suitable for the analysis of Staphylococcus epidermidis, said PNA probe being complementary to a target sequence of Staphylococcus epidermidis rRNA or rDNA or its complement.
- 5. (Currently Amended) AThe PNA probe of claim 25 claims 1 or 2, comprising a nucleobase sequence suitable for the analysis of Staphylococcus hominis, said PNA probe being complementary to a target sequence of Staphylococcus hominis rRNA or rDNA or its complement.
- 6. (Currently Amended) AThe PNA probe of claim 25 claims 1 or 2, comprising a nucleobase sequence suitable for the analysis of Staphylococcus haemolyticus, said PNA probe being complementary to a target sequence of Staphylococcus haemolyticus rRNA or rDNA or its complement.
- 7. (Currently Amended) AThe PNA probe of claim 25 claims 1 or 2, comprising a nucleobase sequence suitable for the analysis of Staphylococcus lugdunensis, said PNA probe being complementary to a target sequence of Staphylococcus lugdunensis rRNA or rDNA or its complement.
- 8. (Currently Amended) AThe PNA probe of claim 25 claims 1-or 2, comprising a nucleobase sequence suitable for the analysis of Staphylococcus saprophyticus said

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PNA probe being complementary to a target sequence of Staphylococcus saprophyticus rRNA or rDNA or its complement.

- 9. (Currently Amended) AThe PNA probe of daim 25claims 1 or 2, comprising a nucleobase sequence suitable for the analysis of Staphylococcus epidermidis and one or more other Staphylococcus species other than Staphylococcus aureus, said PNA probe being complementary to a target sequence of Staphylococcus epidermidis rRNA or rDNA or its complement
- 10. (Currently Amended) AThe PNA probe of claim 25 claim 1, comprising a nucleobase sequence suitable for the analysis of Staphylococcus hominis and one or more other Staphylococcus species other than Staphylococcus aureus, said PNA probe being complementary to a target sequence of Staphylococcus hominis rRNA or rDNA or its complement.
- 11. (Currently Amended) AThe PNA probe of claim 25claim 1, comprising a nucleobase sequence suitable for the analysis of Staphylococcus haemolyticus and one or more other Staphylococcus species other than Staphylococcus aureus, said PNA probe being complementary to a target sequence of Staphylococcus haemolyticus rRNA or rDNA or its complement.
- 12. (Currently Amended) AThe PNA probe of claim 25claim 1, comprising a nucleobase sequence suitable for the analysis of Staphylococcus lugdunensis and one or more other Staphylococcus species other than Staphylococcus aureus, said PNA probe being complementary to a target sequence of Staphylococcus lugdunensis rRNA or rDNA or its complement.
- 13. (Currently Amended) AThe PNA probe of claim 25claim 1, comprising a nucleobase sequence suitable for the analysis of Staphylococcus saprophyticus and one or more other Staphylococcus species other than Staphylococcus aureus, said PNA probe being complementary to a target sequence of Staphylococcus saprophyticus rRNA or rDNA or its complement.

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14. - 24. (Cancelled)

- 25. (Currently Amended) A PNA probe set comprising PNA probes that are at least 86% identical to SEQ ID NO:6, SEQ ID NO: 7 and SEQ ID NO: 8, one or more PNA probes of claims 1-24 and at least one PNA probe for the analysis of S. aureus.
- 26. (Currently Amended) AThe PNA probe set of claim 25, wherein the probes are differently labeled for independent analysis of two or more Staphylococcus species.
- 27. 29. (Cancelled)
- 30. (Currently Amended) AThe PNA probe set of claim 25 further comprising semprising one or more PNA probes of claims 1-24 and at least one PNA blocking probe for the analysis of one or more Staphylococcus species other than S. aureus.
- 31. 50. (Cancelled)
- 51. (Withdrawn) A kit sultable for performing an assay for analysis of one or more Staphylococcus species other than S. aureus in a sample, wherein said kit comprises: a) a PNA probe according to claim 1 to 24 and b) other reagents or compositions necessary to perform the assay.
- 52. (Withdrawn) The kit of claim 51, wherein one or more Staphylococcus species other than S. aureus and at least one other microorganism optionally present in a sample are independently detected, identified and/or quantitated.
- 53. (Withdrawn) The kit of claim 52, wherein one or more Staphylococcus species other than S. aureus and S. aureus optionally present in a sample are independently detected, identified and/or quantitated.

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- 54. (Withdrawn) The kit of any one of claims 51-53, wherein one or more Staphylococcus species other than S. aureus optionally present in a sample is detected, identified and/or quantitated and its susceptibility to antimicrobial agents is determined.
- 55. (Withdrawn) The kit of any one of claims 51-53, wherein one or more Staphylococcus species other than S. aureus detected is Coagulase-Negative Staphylococci, clinically significant Coagulase-Negative Staphylococci, or a subset of clinically significant Coagulase-Negative Staphylococci.
- 56. (Withdrawn) The kit of any one of claims 51-53, wherein the kit is used in an in situ hybridization assay.
- 57. (Withdrawn) The kit of claim 56, wherein the kit is a fluorescence in situ hybridization assay for simultaneous, independent (multiplex) identification of one more Staphylococcus species other than S. aureus and of S. aureus.
- 58. (Withdrawn) The kit of ny one of claims 51-53, wherein the kit is used for a real-time PCR assay.
- 59. (Withdrawn) The kit of any one of claims 51-53, wherein the kit is used to examine clinical samples such as clinical specimens or cultures thereof.
- 60. (New) The PNA probe set of claim 25, further comprising at least one PNA probe for the analysis of S.aureus.
- 61. (New) The PNA probe set of claim 25, wherein the PNA probes are identical to SEQ ID NO: 6, SEQ ID NO: 7 and SEQ ID NO: 8.